DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

SPECIAL PERMIT NO. 6698
FIRST REVISION

Pursuant to 49 CFR 170.15 of the Department of Transportation (DOT) Hazardous Materials Regulations, as amended, and on the basis of the March 29, 1973 petition by Nuclear Fuel Services, Inc., Rockville, Maryland.

Special Permit No. 6698 is hereby amended by revising paragraphs (1) and (4) as follows:

1. Paragraph (1) is changed to additionally reference and incorporate U. S. Atomic Energy Commission License Number SNM 984 Amendment 71-12, Rev. 1 dated March 23, 1973.

2. Paragraph (4) is changed to read:

> "4. The contants of each package authorized by this permit consist of fissile and large quantities or radioactive materials n.o.s. with maximum quantities and decay heat generation as limited in the attachments hereto."

All other terms of this permit, as revised, remain unchanged. The complete permit currently in effect consists of the original issue and the First Revision.

Issued at Washington, D.C.:

11 APR 1973
(DATE)

for W. R. Fiste
For the Administrator
Federal Highway Administration

Address all inquiries to: Secretary, Hazardous Materials Regulations Board, U. S. Department of Transportation, Washington, D. C. 20590.
Attention: Special Permits.

Dist: a, d, h, i
Rochester Gas & Electric Corp., Rochester, N.Y.

DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

SPECIAL PERMIT NO. 6698
SECOND REVISION

Pursuant to 49 CFR 170.15 of the Department of Transportation (DOT) Hazardous Materials Regulations, as amended, and on the basis of the May 8, 1973 petition by Nuclear Fuel Services, Rockville, Maryland.

Special Permit No. 6698 is hereby amended by revising paragraph (1) to additionally reference and incorporate U.S. Atomic Energy Commission License Number SNM 984, Amendment 71-12 Rev. 2 dated May 8, 1973.

All other terms of this permit, as revised, remain unchanged. The complete permit currently in effect consists of the original issue and the First and Second Revisions.

Issued at Washington, D.C.:

for B.F. Milster
W. R. Fiste
For the Administrator
Federal Highway Administration

15 MAY 1973
(DATE)

Address all inquiries to: Secretary, Hazardous Materials Regulations Board, U. S. Department of Transportation, Washington, D. C. 20590.
Attention: Special Permits.

Dist: a, d, h, i
Rochester Gas & Electric Corp., Rochester, N.Y.
Wisconsin Electric Power Co., Milwaukee, Wisconsin

DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

SPECIAL PERMIT NO. 6698
THIRD REVISION

Pursuant to 49 CFR 170.15 of the Department of Transportation (DOT) Hazardous Materials Regulations, as amended, and on the basis of the June 12, 1973 petition by Nuclear Fuel Services, Inc., West Valley, New York.

Special Permit No. 6698 is hereby amended by revising paragraph (1) to additionally reference and incorporate U. S. Atomic Energy Commission License Number SNM-984 Amendment 71-12, Revision 2 dated June 7, 1973.

All other terms of this permit, as revised, remain unchanged. The complete permit currently in effect consists of the original issue and the First, Second and Third Revisions.

Issued at Washington, D.C.:

Kenneth L Pierson — 7-6-73
for W. R. Fiste — (DATE)
For the Administrator
Federal Highway Administration

Address all inquiries to: Secretary, Hazardous Materials Regulations Board, U. S. Department of Transportation, Washington, D. C. 20590. Attention: Special Permits.

Dist: a, d, h, i
Wisconsin Electric Power Co., Milwaukee, Wis.
Commonwealth Edison, Chicago, Ill.
Rochester Gas & Electric Corp., Rochester, N.Y.

VS

CONCURRENCES

RTG. SYMBOL TSA-20 INITIALS/SIG. DATE

RTG. SYMBOL TSA-21 INITIALS/SIG. DATE

RTG. SYMBOL TSA-22 INITIALS/SIG. DATE 11/30/72

RTG. SYMBOL TSA-23 INITIALS/SIG. DATE

RTG. SYMBOL TSA-232 INITIALS/SIG. DATE 11/30/72

RTG. SYMBOL TSA-222 INITIALS/SIG. DATE 11/30/72

RTG. SYMBOL TSA-222 INITIALS/SIG. DATE 11/28/72

RTG. SYMBOL INITIALS/SIG. DATE

SPECIAL PERMIT NO. 6698

This special permit is issued pursuant to 49 CFR 170.15 of the Department of Transportation (DOT) Hazardous Materials Regulations, as amended, and on the basis of the November 14, 1972 petition by Nuclear Fuel Services, Inc., West Valley, New York.

Standard special permit requirements and conditions relating to package markings, preparation of shipping papers, shipping experience reports, etc., are published in 49 CFR 171.6. These requirements are part of this special permit.

1. Shipments of fissile and large quantities of radioactive materials, n.o.s., are hereby authorized in the packaging as described in this special permit. This packaging, when constructed and assembled as prescribed herein, with the contents as authorized herein meets the standards prescribed in the DOT Regulations, Sections 173.395(c)(2) and 173.396(d)(g)(1). Shipments must be in accordance with the provisions of the U. S. Atomic Energy Commission (USAEC), license number SNM-984, Amendment 71-12 dated November 14, 1972, which is attached hereto and incorporated by reference and as further provide fore herein.

2. Each shipper, under this permit, other than the petitioner named above, shall register his identity with this Board prior to his first shipment, and shall have a copy of this permit in his possession before making any shipment.

3. The packaging authorized by this permit consists of a stainless steel right circular cylinder measuring 50 inches in diameter by 214 inches in length and weighing approximately 50,000 pounds. The cavity is 176 inches long and 13-1/2 inches in diameter with a wall thickness of 5/16 inches. Shielding is provided by lead with a maximum thickness of 6-5/8 inches and a minimum thickness of 5 inches encased in 1-1/4 inches of stainless steel. Additional shielding consists of four neutron shield tanks which provide a 4-1/2 inch thick borated water-ethylene glycol mixture around the outer shell. Other features, including steel encased balsa impact limiters, trunnions, valves, etc., are described in the attachment hereto.

The package is identified as the NFS Fuel Cask, Model No. NFS-4, and is described on Nuclear Fuel Services drawing numbers E-10080, Rev. 12 sheets 1 through 4.

4. The contents of each package authorized by this permit consists of fissile and large quantities of radioactive material, n.o.s. as one PWR or two BWR fuel assemblies with a maximum decay heat generation not to exceed 12.4 KW per package and a maximum uranium content not to exceed 470 Kilograms with no more than 3.6 w/o U-235.

5. The packaging authorized by this permit meets the requirements for shipment as Fissile Class III, with no more than one package per transport vehicle.

6. The outside of each package must be plainly and durably marked "DOT SP 6698" and "TYPE B," in connection with and in addition to the other markings and labels prescribed by the DOT Regulations. Each shipping paper issued in connection with shipments made under this permit must bear the notation "DOT SPECIAL PERMIT NO. 6698," in connection with the commodity description thereon.

7. Each package must have its gross weight plainly and durably marked on the outside of the package.

8. This permit authorizes shipments only by sole use motor vehicle.

9. The shipper is required to furnish an experience report to this Board upon expiration of the permit or when any amendment is requested. This report must include the approximate number of packages shipped, and the number of packages involved in any loss of contents. The modes of transportation used for these shipments must also be shown.

10. Prior to each shipment authorized by this permit, the shipper shall notify the consignee of the dates of shipment and expected arrival.

11. Any incident involving loss of contents of the package must be reported to this Board at the earliest feasible moment following the incident.

12. The permit does not relieve the shipper or carrier from compliance with any requirement of the DOT Regulations, except as specifically provided for herein.

13. This permit expires December 3 , 1974."

Issued at Washington, D.C.:

B G Milster

for W. R. Fiste
For the Administrator
Federal Highway Administration

5 DEC 1972
(DATE)

Address all inquiries to: Secretary, Hazardous Materials Regulations Board, U. S. Department of Transportation, Washington, D. C. 20590.
Attention: Special Permits.

Dist: a, d, h, i